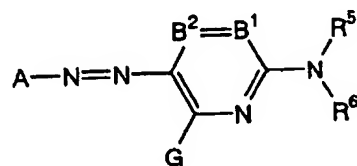


JP 2004-35713

[Claim 1] An ion for ink jet recording, prepared by dissolving or dispersing a dye represented by the following general formula (1) in one aqueous medium, characterized in that the total amount of cations other than a monovalent metal ion, hydrogen ion, ammonium ion, organic quaternary nitrogen ion and ions generated by proton addition to nitrogen atoms in basic organic matters is 0.5 mass% or less based on the ink.

General formula (1):



in the general formula (1), A represents a five-membered heterocyclic group, B<sup>1</sup> and B<sup>2</sup> each represents =CR<sup>1</sup>-, -CR<sup>2</sup>= or either of them represents a nitrogen atom and the other represents =CR<sup>1</sup>- or -CR<sup>2</sup>=, R<sup>5</sup> and R<sup>6</sup> each independently represents a hydrogen atom or a substituent, and the substituent represents an aliphatic group, an aromatic group, a heterocyclic group, an acyl group, an alkoxycarbonyl group, an aryloxycarbonyl group, a carbamoyl group, an alkylsulfonyl group, an arylsulfonyl group or a sulfamoyl group, and a hydrogen atom of each substituent may be substituted. G, R<sup>1</sup> and R<sup>2</sup> each

independently represents a hydrogen atom or a substituent, the substituent represents a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, a carboxyl group, a carbamoyl group, an alkoxy carbonyl group, an aryloxy carbonyl group, a heterocyclicoxy carbonyl group, an acyl group, a hydroxyl group, an alkoxy group, an aryloxy group, a heterocyclicoxy group, a silyloxy group, an acyloxy group, a carbamoyloxy group, an alkoxy carbonyloxy group, an aryloxy carbonyloxy group, an amino group, an acylamino group, a ureido group, a sulfamoylamono group, an alkoxy carbonylamino group, an aryloxy carbonylamino group, an alkylsulfonylamino group, arylsulfonylamino group, a heterocyclic sulfonylamino group, a nitro group, an alkylthio group, an arylthio group, a heterocyclic thio group, an alkylsulfonyl group, an arylsulfonyl group, a heterocyclic sulfonyl group, an alkylsulfinyl group, an arylsulfinyl group, a heterocyclic sulfinyl group, a sulfamoyl group or a sulfo group, and a hydrogen atom of each substituent may be substituted.  $R^1$  and  $R^5$ , or  $R^5$  and  $R^6$  may join to form a 5- or 6-membered ring.